

AUTHOR(S): antigens share a common structural motif
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AB The I-Ad binding patterns of a series of overlapping peptides derived from sperm whale myoglobin (residues 102-125) and influenza hemagglutinin (residues 121-146) were analyzed to determine whether the peptide regions predicted on the basis of structural similarity to be involved in I-Ad binding were in fact involved. In both cases, the I-Ad-interacting determinants contained the sequence motif postulated to be important for I-Ad binding. These data support the hypothesis that I-Ad mols. recognize a large library of antigens by virtue of common structural motifs present in peptides derived from phylogenetically unrelated proteins.

IT 116449-31-1
 RL: BIOL (Biological study)
 (I-Ad antigen binding by, structure in relation to)

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(FILE 'HOME' ENTERED AT 15:18:00 ON 05 APR 2007)

FILE 'REGISTRY' ENTERED AT 15:18:18 ON 05 APR 2007
 L1 15 SEA ABB=ON PLU=ON MKWVFIVSILFLFSSAYS[RGS][VL][FD][RK][RK]/SQSP
 P
 L2 467027 SEA ABB=ON PLU=ON [FTY][ILVAM][LVAM][ST][IVAM]/SQSP
 L3 414 SEA ABB=ON PLU=ON L2 AND SQL<11
 L4 272 SEA ABB=ON PLU=ON L2 AND SQL<10
 L5 84 SEA ABB=ON PLU=ON L2 AND SQL<9
 L6 41 SEA ABB=ON PLU=ON L2 AND SQL<8
 L7 13 SEA ABB=ON PLU=ON L2 AND SQL<7

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 L9 14 SEA ABB=ON PLU=ON L7

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